

We claim:

1. A method for producing an L-amino acid comprising

- a) culturing a microorganism having an ability to produce an L-amino acid in a medium, whereby said L-amino acid accumulates in the medium, and
- b) collecting said L-amino acid from the medium,

wherein said microorganism is a methanol-utilizing bacterium having the Entner-Doudoroff pathway and is modified so that 6-phosphogluconate dehydratase activity and/or 2-keto-3-deoxy-6-phosphogluconate aldolase activity are/is enhanced, and said L-amino acid is selected from L-amino acids produced by a biosynthetic pathway which utilizes pyruvic acid as an intermediate.

2. The method of claim 1, wherein said methanol-utilizing bacterium comprises a bacterium belonging to the genus *Methylophilus*.

3. The method of claim 1, wherein said 6-phosphogluconate dehydratase activity and/or 2-keto-3-deoxy-6-phosphogluconate aldolase activity are/is enhanced by

- a) increasing the copy number of a gene coding for 6-phosphogluconate dehydratase and/or 2-keto-3-deoxy-6-phosphogluconate aldolase, or
- b) modifying an expression regulatory sequence of said gene so that expression of the gene is enhanced in said bacterium.

4. The method of claim 1, wherein said L-amino acid is selected from the group consisting of L-lysine, L-leucine, L-isoleucine and L-valine.

5. A methanol-utilizing bacterium having the Entner-Doudoroff pathway, whereby said bacterium is modified so that 6-phosphogluconate dehydratase activity and/or 2-keto-3-deoxy-6-phosphogluconate aldolase activity are/is enhanced, and has an ability to produce an L-amino acid via a biosynthetic pathway which utilizes pyruvic acid as an intermediate.

6. A method for producing an L-amino acid which is a product of a biosynthetic pathway which utilizes pyruvic acid as an intermediate comprising

a) culturing a methanol-utilizing bacterium having the Entner-Doudoroff pathway in a medium, whereby said bacterium has the ability to secrete an L-amino acid into a medium,

b) collecting said L-amino acid from the medium,

wherein said bacterium is modified to enhance the activity of 6-phosphogluconate dehydratase activity and/or 2-keto-3-deoxy-6-phosphogluconate aldolase.

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